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The Thirty-third Annual Report

of the

Maryland State College of Agriculture

Agricultural Experiment Station



COLLEGE PARK, MD.

1919-1920

The Maryland Agricultural Experiment Station

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The Station is located on the B. & O. R. R. and City and Suburban Electric Car Line, eight miles north of Washington, D. C.
Bell Telephone—Berwyn Exchange.

Visitors will be welcomed at all times, and will be given every opportunity to inspect the work of the Station in all its departments.

The Bulletins and Reports of the Station will be mailed regularly, free of charge, to all residents of the State who request it.

ADDRESS:
AGRICULTURAL EXPERIMENT STATION,
College Park, Md.

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THE
Maryland State College of Agriculture
AGRICULTURAL EXPERIMENT STATION

Volume 33

1919-1920

The Thirty-Third Annual Report of the Maryland
Agricultural Experiment Station

FOR THE FISCAL YEAR ENDING JUNE 30, 1920.

By H. J. PATTERSON, Director.

To the President and Board of Trustees:

GENTLEMEN:—In accordance with the requirements of the Act of Congress providing for the establishment of Agricultural Experiment Stations, I transmit herewith the following report covering the work and expenditures of the Maryland Agricultural Experiment Station for the fiscal year ending June 30, 1920.

PUBLICATIONS.

The following is a list of the bulletins published during this fiscal year. These bulletins have been sent free to the farmers in the State who have requested their names to be placed on our mailing list. There are about twenty thousand names on the station general mailing list. In addition to the general list there are special lists covering special agriculture interests. Bulletins are issued from time to time as investigations are completed. There are usually eight to ten issued each year. There were nine published this year, but several more were ready for publication but could not be printed for lack of of funds.

<i>Date</i>	<i>No.</i>	<i>Subject</i>	<i>Author</i>	<i>No. Pages</i>
July .....1919	228	Alfalfa	N. Schmitz	24
July .....1919	229	Seed Inspected Fall of 1918	C. P. Smith	22
August ....1919	230	Poultry Appliances and Methods	R. H. Waite	16
Sept. ....1919	231	Field Damaged Wheat for Poultry	R. H. Waite	6
October ...1919	232	Mushrooms	Thos. H. White	20
Dec. ....1919	233	The Effect of Age of Eggs on Their Hatching Quality	R. H. Waite	15
January ...1920	234	The Relation of Earth- worms to Gapes in Chickens	R. H. Waite	16
March ....1920	235	Capons vs. Cockerels.....	R. H. Waite	14
May .....1920	236	The Strawberry Leaf Beetle	E. N. Cory and W. C. Travers	12

THE PRESENT STATUS OF EXPERIMENT STATION WORK.

The decrease in the purchasing power of appropriations has made it necessary for the Experiment Station to allow many projects to become dormant and also made it impossible, except in very few instances, to meet the demands to take up new investigations. This condition has been very unsatisfactory both to the Station workers and the farmers of the State. The circumscribed uses which can be made of appropriations under present laws make it difficult to use funds so as to meet emergencies. The most economical and efficient administration of an institution for research necessitates considerable latitude in the use of appropriations for both maintenance and salaries. Workers should be able to procure facilities for research quickly and without being hampered. The nature of some investigational work makes it impossible to foresee requirements long in advance. In order to meet the salary problems some workers have been assigned teaching and administrative duties that have drawn more or less on the time for research. This has been an unfortunate situation for all concerned. The obligation of the State for extending and providing liberally for investigational work was made much greater with the enlargement of the functions of the institution and assuming the responsibilities of a university.

For details as to the investigations in progress see the list of projects given in the thirty-second annual report.

FINANCIAL STATEMENTS.

The following tables give a list of the receipts and expenditures of the Experiment Station for the past year:

FINANCIAL STATEMENT.

MARYLAND AGRICULTURAL EXPERIMENT STATION IN
ACCOUNT WITH UNITED STATES APPROPRIATIONS.

<i>Dr.</i>		
	<i>Hatch Fund.</i>	<i>Adams Fund.</i>
To appropriations for fiscal year 1919-1920.....	\$15,000.00	\$15,000.00
<i>Cr.</i>		
By Salaries	\$12,554.05	\$11,712.02
Labor	1,956.70	329.32
Publications	105.43	.....
Postage and Stationery.....	13.89	21.97
Freight and Express.....	123.53	.....
Heat, Light, Water and Power.....	58.67	.....
Chemicals and Laboratory Supplies.....	2.60	655.23
Seeds, Plants and Sundry Supplies.....	91.26	404.20
Library	81.67	6.75
Tools, Machinery and Appliances.....	12.20	269.54
Furniture and Fixtures.....	.....	415.04
Scientific Apparatus and Specimens.....	.....	1,019.09
Traveling Expenses .....	.....	11.51
Contingent Expenses .....	.....	.75
Repairs .....	.....	154.58
Totals.....	\$15,000.00	\$15,000.00

MARYLAND AGRICULTURAL EXPERIMENT STATION IN
ACCOUNT WITH THE STATE APPROPRIATIONS.

<i>Dr.</i>		
	<i>General Fund.</i>	<i>Ridgely Farm.</i>
Receipts for year 1919-1920.....	\$27,575.83	\$6,608.50
Credit balance June 30, 1919.....	.....	2,573.50
	<u>\$27,575.83</u>	<u>\$9,182.00</u>
<i>Cr.</i>		
By Overdraft June 30, 1919.....	\$2,016.86	.....
Salaries	10,117.70	\$2,220.85
Labor	3,888.50	1,688.51
Publications	2,125.33	.....
Postage and Stationery.....	689.15	108.86
Freight and Express.....	612.47	25.05
Heat, Light, Water and Power.....	1,086.08	11.03
Chemicals and Laboratory Supplies.....	300.73	40.25
Seeds, Plants and Sundries.....	609.47	219.89
Fertilizers	281.75	276.79
Feeding Stuffs	3,434.98	143.51
Library	332.35	1.60
Tools, Machinery and Appliances.....	896.02	97.88
Furniture and Fixtures.....	228.87	100.80
Scientific Apparatus .....	.....	12.58
Live Stock	8.85	.....
Traveling Expenses	312.46	284.57
Contingent Expenses .....	.....	7.50
Repairs	348.06	461.21
Balance June 30, 1920.....	286.20	3,481.12
	<u>\$27,575.83</u>	<u>\$9,182.00</u>

MARYLAND AGRICULTURAL EXPERIMENT STATION IN
ACCOUNT WITH THE FOLLOWING:

<i>Dr.</i>	<i>Soil Fund.</i>	<i>Farm Fund.</i>
Receipts for year 1919-1920.....	.....	\$22,030.37
By payment of Loan.....	\$3,000.00	.....
	<u>\$3,000.00</u>	<u>\$22,030.37</u>

<i>Cr.</i>		
By Overdraft June 30, 1919.....	\$606.42	\$2,999.29
Salaries	5,391.66	640.83
Labor	810.95	13,655.75
Publications .....	.....	41.24
Postage and Stationery.....	6.75	8.05
Freight and Express .....	.....	154.27
Heat, Light and Power.....	59.46	223.72
Chemicals and Laboratory Supplies.....	.....	9.75
Seeds, Plants and Sundries.....	863.26	836.85
Fertilizers	652.57	192.50
Feeding Stuffs .....	.....	2,800.08
Library	4.15	83.66
Tools, Machinery and Appliances.....	4.66	540.45
Live Stock .....	.....	102.00
Scientific Apparatus	6.75	.....
Traveling Expenses	873.28	1,019.74
Contingent Expenses .....	.....	74.02
Repairs	16.13	548.97
Rent .....	.....	890.00
	<u>\$9,296.04</u>	<u>\$24,821.17</u>
Overdraft June 30, 1920.....	*\$6,296.04	\$2,790.80

*Balance of \$10,000 due from College Fund on account of Loan.

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